Description

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] This Invention relates to fiber optic systems for projecting colors and images. In particular, this invention relates to an individuals ability to select a specific color and/or image frequency to determine the color(s) and image(s) displayed on the fiber optic glass panel(s).

[0003] 2. Background of the Invention

[0004] Controlling the frequencies interface can be achieved in various ways. For example, an individual using the image frequency interface can camouflage and/or cloak an aircraft sheeted with fiber optic glass panels by projecting color, still and/or real-time images produced from image source.

[0005] Alternatively, an individual using the color frequency interface can color an automobile, boat, or building window sheeted with fiber optic glass panels by projecting colors, still and/or real-time images produced from the image source.

SUMMARY OF THE INVENTION

[0006] While existing systems and methods work well in general, they have a number of shortcomings. For example, often an individual may not have immediate access to financial resources to purchase a computer monitor, television, and/or display device. Similarly, an individual may not wish to absorb the headache and cost of ordering and installing factory-tinted windows, or even risk the aftereffects associated with plastic widow tint such as the tint becoming bubbled, scratched, faded and/or peeled over time.

[0007] The systems and methods of this invention provide tools for assisting an individual in displaying images and colors by way of fiber optic glass panels. An extension of these tools is the ability for the individual to project images and colors by way of adjusting the color and image frequencies. Specifically, through the use of, for example, fiber optic glass panels composed of oxygen that is bubbled through solutions of silicon chloride (SiCl4), germanium chloride (GeCl4) and/or other chemicals that can be made available to individuals' operating computers, televisions, automobiles, aircrafts, boats, cloaking and camouflaging devices, or located inside building structures. An individual, upon entering an automobile, boat, or building structure could select a specific color frequency and the light source would communicate the intensity of the light signals for colors displayed on fiber optic glass panels. Alternatively, an individual operating a computer, television, aircraft, boat, camouflaging and/or cloaking device could select a

specific image frequency and the light source would communicate the intensity of the light signals for images displayed on fiber optic glass panels.

[0008] These and other features and advantages of this invention are described in or are apparent from the following detailed description of the embodiments.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] The embodiments of the invention will be described in detail, with reference to the following figures wherein:

[0010] FIG. 1 is a functional block diagram illustrating exemplary fiber optic system according to this invention;

[0011] FIG. 2 is a functional block diagram illustrating exemplary fiber optic system according to this invention;

DETAILED DESCRIPTION OF THE INVENTION

[0012] FIG. 1 and 2 illustrates an exemplary fiber optic system according to an exemplary embodiment of the invention. Specifically, the fiber optic system 100 comprises a frequency interface 110, a light source 120, a color and/or image source 130, fiber optic strands 140, and fiber optic glass panels 150, all interconnected.

[0013] The fiber optic system 100 comprises a frequency interface 110.

[0014] The light source 120 is connected to the color/image source 130, which is connecting the fiber optic strands 140, connecting the fiber optic glass panels 150.

[0015] In operation, the system is initialized, for example, by a user approaching the frequency interface 110 and requesting specific color or image frequency. For example, an individual, upon entering an automobile, boat, or building structure could select a specific color frequency and the light source120 would communicate the intensity of the light signals for colors displayed on fiber optic glass panels 150. Alternatively, an individual operating a computer, television, aircraft, boat, camouflaging and/or cloaking device could select a specific image frequency and the light source 120 would communicate the intensity of the light signals for images displayed on fiber optic glass panels 150.

[0016] Alternatively, an individual operating a computer, television, aircraft, boat, camouflaging and/or cloaking device could select a specific image frequency and the light source 120 would communicate the intensity of the light signals for images displayed on fiber optic glass panels 150.

[0017] Thus, the fiber optic system, upon receipt of a frequency request, forwards the request, via one or more fiber optic strands 140 to one or more fiber optic glass panels

150. The fiber optic glass panels 150 are then illuminated via the light source 120 to produce a color or image effect according to the requested frequency of the user.

[0018] It is, therefore, apparent that there has been provided, in accordance with the present invention, systems and methods for fiber optic color and image display. While this invention has been described in conjunction with a number of embodiments, it is evident that many alternatives, modifications and variations would be or are apparent to those of ordinary skill in the applicable arts. Accordingly, it is the intent to embrace all such alternatives, modifications, equivalents and variations that are within the spirit and scope of this invention.